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**BULLETIN 770** 

**APRIL 1977** 

1976 INSPECTIONS OF

FERTILIZER
PESTICIDE
AND FEED
PRODUCTS

GOVE NMENT PUBLICATIONS

MAY 18 1977

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J. Gordon Hanna

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## 1976 Inspections of

#### Fertilizer, Pesticide and Feed Products

Data obtained by chemical analysis of officially collected samples of commercial feeds, fertilizers and pesticide formulations are contained in this report. The tables show the number of samples from each manufacturer (in parenthesis), the number of determinations made for each guaranteed ingredient, the number of deficiencies, and the average percent of claims for each component.

The deficiencies noted for feed samples are based on the permitted variations recommended by the Association of American Feed Control Officials, the investigational allowances for fertilizers are those of the Association of American Plant Food Control Officials, and the permissive guarantee variations suggested by the Association of American Pesticide Control Officials are used for pesticide formulations.

Data for 588 samples of feed representing 52 manufacturers, 416 samples of fertilizer representing 54 manufacturers and 285 samples of pesticide representing 53 manufacturers are summarized.

The feed and fertilizer laws are administered by the Commissioner of Agriculture. The pesticide law is under the direction of the Commissioner of Environmental Protection.

Analytical work was by R. Botsford, M. Fuzesi, W. Glowa, H. Kocaba, R. Smith, S. Squircs and G. Wilmes. The report was assembled and typed by C. Peet.

J. Gordon Hanna, Chief Chemist

April, 1976

	Num	ber o	f Claim	s	Number	Not M	<u>fet</u>	Average	% of	Claims
Feed Manufacturer	Protein	Fat	Fiber	Total	Protein	Fat	Fiber	Protein	Fat	Fiber
Agway (76) Allen Products (3) Allied Mills (42) Armour Dial (1)	76 3 42 1	76 3 42 1	76 3 42 1	228 9 126 3	0 1 1 0	0 1 0 0	0 0 0	106 101 116 120	125 102 142 207	68 33 62 93
Beacon Milling (8) Best Feed Farm Supplies (3) Blue Seal Mill (4) Bordo Citrus Products (2) Bumble Bee Seafoods (1)	8 3 4 2 1	8 3 4 2 1	8 3 4 2 1	24 9 12 6 3	0 0 0 0	0 0 0 0	0 0 0 0	114 103 103 114 103	127 127 138 233 247	60 63 77 77 44
Cadillac Pet Foods (4) Calo Pet Foods (2) Carnation (7) Central Connecticut Co-op (26) Champion Valley Farms (2)	4 2 7 26 2	4 2 7 26 2	4 2 7 26 2	12 6 21 78 6	0 0 0 2	0 0 0 0	0 0 0 0	105 103 106 104 127	156 119 177 120 145	70 43 53 73 42
Derby Feed Co. (1)	1	1	1	3	0	0	0	100	130	36
John W. Eschelman (41)	40	40	40	120	1	0	0	108	145	67
Farm Bureau (16) R. T. French (2)	16 2	16 2	16 2	48 6	1 0	1 0	0 0	101 130	124 152	76 22
General Foods (4) Roy Goff (5) Great A & P (25)	4 5 25	4 5 25	4 5 25	12 15 75	0 1 0	0 0 0	0	115 98 123	170 134 173	65 38 64
Hap-EE Pet Food (1) Hartz Mountain (12) E. C. & W. L. Hopkins (26)	1 12 26	1 12 26	1 12 26	3 36 78	1 0 0	0 1 0	0 0 0	92 111 104	112 137 13 <sup>4</sup>	10 59 73
Jerky Treats (2)	2	2	2	6	0	0	0	103	297	12
K & L Feed Mill (3) Kal Kan Foods (3) Keystone Dehydrators (1)	3 3 1	3 3 1	3 3 1	9 9 3	0 0 0	0 0 0	0 0 0	116 112 100	116 150 114	69 21 104
Lipton Pet Foods (3) Liv-A-Snaps (3)	3 3	3	3 3	9 9	0 0	0 0	0 0	122 111	109 129	81 29
Mavar Shrimp and Oyster (1) Miller Morton (6) Morton Pet Food (1)	1 6 1	1 6 1	1 6 1	18 3	0 0 -	0 0 -	0 0 -	114 104 -	158 130 -	68 49 -
Nabisco (6) National Alfalfa (1) National Pet Food (2) New England Fish (1)	6 1 2 1	6 1 2 1	6 1 2 1	18 3 6 3	2 0 1 0	0 0 0	0 0 0	104 103 90 120	140 203 116 130	53 98 46 46
Old Mother Hubbard (1)	1	1	1	3	0	0	0	106	237	32
Perk Foods (1)	1	1	1	3	0	0	0	104	241	65
Quaker Oats (12)	12	12	12	36	0	1	0	112	135	54

P. 1	Nur	mber c	f Clair	ns	Number	Not M	let	Average	% of	Claims
Feed Manufacturer	Protein	Fat	Fiber	Total	Protein	Fat	Fiber	Protein	Fat	Fiber
Ralston Purina (76) Reward Co. (3)	76 3	76 3	76 3	228 9	0	0	0	110 102	153 227	58 20
Riviana Foods (2)	2	2	2	6	0	0	0	112	145	45
Star-Kist Foods (2) Stop & Shop (11)	2 11	2 11	2 11	6 <b>33</b>	0	0	0	105 110	166 165	41 52
Strongheart Products (1) Sunshine Feed Mills (1)	1 1	1 1	1	3	0	0	0	124 100	138 106	123 55
Superior Pet Products (1)	1	1	1	3	0	0	0	110	440	105
Triumph Pet Industries (7)	7	7	7	21	0	0	0	106	123	57
United Co-op Farmers (17)	15	15	15	45	0	0	0	106	113	68
Valley Pet Food (1)	1	1	1	3	0	0	0	119	160	46
H. K. Webster (105)	105	104	104	313	2	0	0	105	125	76
(588)	585	584	584	1753	13	14	0	108	139	65

Percent of claims deficient: 0.97

	Numb	er of C		Numbe	er Not Met	Average %	of Claims
Fertilizer Manufacturer	N	P205+ K20	Total	n	P <sub>2</sub> 05+ K <sub>2</sub> 0	N	P205+ K20
Agrico Chemical Co. (21)	17	37	54	5	16	112.1	95.2
Agway, Inc. (72)	63	126	189	2	10	104.4	107.1
Atlas Fish Fertilizer (2)	2	3	5	0	0	111.8	125.9
A.V.I. (2)	2	3	5	0	0	125.5	124.3
Brockville Chemical (1)	1	0	1	0	-	100.5	_
Cadwell and Jones (18)	15	33	48	2	11	107.6	98.0
Carefree Garden Products (2)	2	14	6	0	0	98.9	107.7
Chevron (18)	17	33	50	0	0	107.4	109.0
Chilean Nitrate Sales (1)	1	1	2	0	0	98.1	99.7
Continental Peat (4)	14	8	12	1	1	110.4	135.6
Corenco (13)	13	24	37	14	3	103.6	115.0
Ross Daniels (6)	6	12	18	0	0	142.1	105.3
The Dramm Co. (1)	1	2	3	0	0	102.7	127.2
Dunhill Organic (1)	1	2	3	0	0	121.0	183.3
DuPont (1)	1	0	1	0	_	98.4	_
Dysart Chemical Co. (1)	1	2	3	0	0	102.4	96.1
T 3 (3 )	-	_	,	-		1.8	
Ecology (1) Encap (1)	1 1	0 2	1 3	1 0	0	110.8	187.2
Faesy & Besthoff (4)	14	1,	8	0	0	102.3	132.9
Federal (2)	2	4	6	0	0	104.4	105.2
Fer-Mel (14)	14	26	40	2	0	99.1	105.0
W. R. Grace (1)	1	0	1	0	-	101.1	-
Charles C. Hart Seed (6)	6	12	18	0	2	118.5	104.1
Hercules (2)	1	0	1	0	-	101.0	-
Hyponex (4)	4	8	12	0	0	108.7	120.5
Hytrous (4)	14	8	12	0	0	124.7	120.0
International Spike (1)	1	2	3	0	0	112.5	111.8
Kerr-McGee (76)	64	139	203	16	32	101.9	112.1
Lebanon (17)	17	34	51	1	2	109.3	107.3
Loft's (3)	3	6	9	0	1	131.8	125.9
Luzerne (8)	8	16	214	4	ĺ	95.5	104.9
	O	10	2-1	7	<u> </u>		104.7
3M (3)	3	6	9	0	0	104.6	101.7
Wilson and George Meyer (1)	1	0	1	0	-	98.6	-
Mississippi Chemical (1)	1	0	1	0		100.9	-
New Plant Life (1)	1	2	3	0	0	107.6	110.2
Old Fox (61)	56	114	170	24	36	99.3	108.1
Organic Compost (4)	3	6	9	0	0	98.0	131.3
Organic Recycling (1)		1		0		100.0	104.8
or Saute Mecheting (T)	1	Τ	2	U	0	100.0	T04.0
Pennsylvania Dutch (1)	1	2	3	0	0	131.1	106.5
Robert B. Peters (5)	5	10	15	Ö	Ö	107.6	109.5
	,	-0	±,/	0	J	201.0	/-/
Rain Bird (1)	1	2	3	0	0	101.4	100.0
Rapid Gro (1)	1	2	3	0	0	104.4	100.6
Royster (2)	2	14	6	0	0	104.6	117.8

Fertilizer Manufacturer	<u>Num</u> N	P205- K20		<u>Numbe</u> N	P205+ K20	Average	% of Claims P205+ %20
Schultz Co. (2) 0. M. Scott (6) Sears (3) Stern's (4)	2 6 3 4	4 12 6 8	6 18 9 12	0 1 0	1 1 1 0	109.7 100.9 111.0 102.4	98.1 122.8 118.2 105.0
Stim-U-Plant (1) Unified Div. Diamond Salt (1) Universal Chemical (2) USS Agri Chemicals (2)	1 1 2 2	2 4 2	3 6 4	0 0 0	0 0 1 0	100.4 118.0 94.0 95.4	172.8 107.9 106.4 134.0
Venturi (2) Vigoro (1) Wegro Div., Old Fort (2)	2 1 2	4 2 4	6 3 6	0 0	0 0 0	156.0 103.1 104.4	115.5 113.6 104.3
(416)	380	750	1130	64	119	105.0	107.9

Percent of claims deficient: 16.2

Mixed Fertilizer Distribution

July 1, 1975 - June 30, 1976

Grade	Tons
0-10-30	39
0-10-40	141
0-15-30	395
0-20-20	21
0-25-25	35
5-10-5	845
5-10-10	3,862
5-20-20	78
6-3-6	1,107
7-7-7	46
8-8-8	16
8-10-10	3,014
8-16-16	53
10-6-4	2,505
10-10-10	7,237
10-15-15	40
10-20-10	548
10-20-20	617
12-4-8	108
15-8-12	1,177
15-10-10	2,714
15-15-15	440
15-30-15	47
16-8-8	13
20-0-10	182
20-4-8	127
20-5-10	276
20-10-5	626
20-10-10	427
20-20-20	21
23-7-7	957
25-5-10	150
Miscellaneous*	11,713
Total	39,677

<sup>\*</sup>Small amounts or reported by fewer than three manufacturers

# Secondary and Minor Elements

Manufacturer	Element Claimed	Number Of Claims	Number Not Met	Average % Of Claims
Agrico (1)	Magnesium	1	0	254
Agway (5)	Boron Iron	3 2	0	177 1250
Carefree Garden Products (2)	Magnesium	2	0	102
Chevron (1)	Iron	1	1	81
Ross Daniels (2)	Iron	2	0	105
Ecology (1)	Boron Chlorine Copper Iron Magnesium	1 1 1	1 1 0 0	9 0 6 10
	Manganese Zinc	1 1	1	66 7
Kerr-McGee (2)	Magnesium	2	1	81
Lebanon (4)	Calcium Iron Magnesium Sulfur	կ կ 2 կ	0 0 0 1	203 264 225 93
Loft's (2)	Boron Copper Iron Magnesium Sulfur Zinc	2 2 2 2 2 2	0 0 0 0 1	450 89 103 2069 81 153
Old Fox (7)	Magnesium	7	0	351
	(27)	53	9	285

Percent of claims deficient: 17.0

Tonnages of Fertilizer Materials and Mixed Fertilizers Purchased During the Period of July 1, 1975 - June 30, 1976

Chemical	Witrogen
CHemical	MILLORGI

Ammonium nitrate	320
Ammonium sulfate	5
Calcium nitrate	86
Nitrate of soda	107
Nitrogen solutions	475
Urea	3,848
Urea - formaldehyde	106
	4,947

# Organics

Castor pomace	109
Cottonseed meal	389
Dried blood	2
Dried manures	5,820
Fish scrap and meal	99
Sewage	1,407
Other natural organic materials	47
	7,873

# Phosphates

Ammonium phosphate	1,537
Diammonium phosphate	123
Bonemeal	29
Phosphate rock	5
Superphosphate 20%	104
Superphosphate 46%	651.
	2,449

## Potash

Muriate of potash	2,481
Sulfate of potash	18
Sulfate of potash-magnesia	10
Other potash materials	14
	2,513

# Secondary and micronutrients

Aluminum	2
Borax	23
Copper	2
Iron	3
Zinc	3
Element mixtures	2
	35

# Mixed Fertilizers

Commercial mixtures	39,677
Special mixtures	7,386
	4 <b>7,</b> 063

Total 64,780

Agway, Inc. (10)  Ammonium sulfamate	Pesticide Manufacturer	Pesticide	Number Of Claims	Number Not Met	Average %
Capten   3			_		
Carbery1   2   0   100	Agway, Inc. (10)				
Folpet		±			
Mathion					
Methoxychlor   3   0   103     Prometone					
Prometone					
Pyrethriss					_
Resmethrin   1					
## Rotenone   1					_
Amchem Products, Inc. (4)    Amitrol   2,4.5-T   1   1   67     2,4-D + Dicambe   1   0   96     Athena Corp. (1)   Baygon   1   0   126     Black Leaf Products Co. (16)   Arsenic   1   0   100     Carbaryl   3   0   101     Carbaryl   3   0   101     Carbaryl   3   0   101     Carbaryl   1   0   100     Carbaryl   1   0   100     Folpet   1   0   100     Folpet   1   0   105     Lindane   1   0   105     Lindane   1   0   99     Malathion   3   0   102     Manch   1   0   98     Manganese   1   0   105     Methoxychlor   1   0   107     Nicotine   2   0   98     Rotenone   1   0   107     Silvex + 2,4-D   1   0   109     Marfarin   1   0   109     Arsenic   1   0   99     Arsenic   1   0   99     Arsenic   1   0   99     Arsenic   1   0   99     Captan   5   0   101     Carbaryl   12   0   103     Carbaryl   13   0   100     Carbaryl   14   0   105     Carbaryl   15   0   105     Carb				0	92
2,h-D + 2,h,5-T		Rotenone	1	0	105
2,h-D + 2,h,5-T	Amchem Products, Inc. (4)	Amitrol	2	0	105
## Athena Corp. (1) ## Eaygon	,,				
Black Leaf Products Co. (16)					
Black Leaf Products Co. (16)	Athena Corp. (1)	Baygon	1	0	126
Captan					
Carbaryl   3	Black Leaf Products Co. (16)				
Chlordane					
Diazinon		-			
Folpet					
Kelthane					
Lindane					
Malathion   3   0   102		Kelthane			105
Maneb				0	99
Manganese   1		Malathion	3	0	
Methoxychlor   1		Maneb	1	0	98
Nicotine   2		Manganese	1	0	105
Nicotine   2			1	0	102
Rotenone   1			2	0	98
Silvex + 2,4-D		Rotenone	1	0	
Silvex + 2,4-D		Silvex	1	0	160
Bonide Chemical Co. (39)   Ammonium sulfamate   1					
Arsenic 1 0 110 Aspon 1 0 99 Benomyl 1 0 99 Captan 5 0 101 Carbaryl 12 0 103 Copper 4 0 99 Chlordane 2 0 104 2,4-D 2 1 87 DDVP 1 0 98 Diazinon 2 0 103 DiSyston 1 0 105 Folpet 1 1 79 Karsthane 2 0 108 Kelthane 2 0 108 Kelthane 2 2 50 Lindane 1 0 100 Malathion 8 0 104 Maneb 1 0 108 Methoxychlor 3 0 100 Pentachlorophenol 1 0 104 Rotenone 2 0 97					
Arsenic 1 0 110 Aspon 1 0 99 Benomyl 1 0 99 Captan 5 0 101 Carbaryl 12 0 103 Copper 4 0 99 Chlordane 2 0 104 2,4-D 2 1 87 DDVVP 1 0 98 Diazinon 2 0 103 DiSyston 1 0 105 Folpet 1 1 79 Karsthane 2 0 108 Kelthane 6 0 103 Lethane 2 2 50 Lindane 1 0 100 Malathion 8 0 104 Maneb 1 0 108 Methoxychlor 3 0 100 Pentachlorophenol 1 0 104 Rotenone 2 0 97	Bonide Chemical Co (30)	Ammonium sulfamate	1	0	99
Aspon 1 0 99 Benomyl 1 0 99 Captan 5 0 101 Carbaryl 12 0 103 Copper 4 0 90 Chlordane 2 0 104 2,4-D 2 1 87 DDVP 1 0 98 Diazinon 2 0 103 DiSyston 1 0 105 Folpet 1 1 79 Karathane 2 0 108 Kelthane 6 0 103 Lethane 2 2 50 Lindane 1 0 100 Malathion 8 0 104 Meneb 1 0 108 Methoxychlor 3 0 100 Pentachlorophenol 1 0 104 Rotenone 2 0 97	Don't de onemie de oor (5)/				
Benomyl   1					
Captan       5       0       101         Carbaryl       12       0       103         Copper       4       0       90         Chlordane       2       0       104         2,4-D       2       1       87         DDVP       1       0       98         Diazinon       2       0       103         DiSyston       1       0       105         Folpet       1       1       79         Karathane       2       0       108         Kelthane       6       0       103         Lethane       2       2       50         Lindane       1       0       100         Malathion       8       0       104         Meneb       1       0       108         Methoxychlor       3       0       100         Pentachlorophenol       1       0       104         Rotenone       2       0       97					
Carbaryl   12					
Copper 4 0 90 Chlordane 2 0 104 2,4-D 2 1 87 DDVP 1 0 98 Diazinon 2 0 103 DiSyston 1 0 105 Folpet 1 1 79 Karathane 2 0 108 Kelthane 6 0 103 Lethane 2 2 50 Lindane 1 0 100 Malathion 8 0 104 Maneb 1 0 108 Methoxychlor 3 0 100 Pentachlorophenol 1 0 104 Rotenone 2 0 97					
Chlordane 2 0 104 2,4-D 2 1 87 DDVP 1 0 98 Diazinon 2 0 103 DiSyston 1 0 105 Folpet 1 1 79 Karathane 2 0 108 Kelthane 6 0 103 Lethane 2 2 50 Lindane 1 0 100 Malathion 8 0 104 Maneb 1 0 108 Methoxychlor 3 0 100 Pentachlorophenol 1 0 104 Rotenone 2 0 97			14		
2,4-D DDVP 1 0 98 Diazinon 2 0 103 DiSyston 1 0 105 Folpet 1 1 79 Karathane 2 0 108 Kelthane 6 0 103 Lethane 2 2 50 Lindane 1 0 100 Malathion 8 0 104 Maneb Methoxychlor 97 Rotenone 2 0 97					
DDVP 1 0 98 Diazinon 2 0 103 DiSyston 1 0 105 Folpet 1 1 1 79 Karathane 2 0 108 Kelthane 6 0 103 Lethane 2 2 2 50 Lindane 1 0 100 Malathion 8 0 104 Maneb 1 0 108 Methoxychlor 3 0 100 Pentachlorophenol 1 0 104 Rotenone 2 0 97			2		
Diazinon       2       0       103         DiSyston       1       0       105         Folpet       1       1       79         Karathane       2       0       108         Kelthane       6       0       103         Lethane       2       2       50         Lindane       1       0       100         Malathion       8       0       104         Maneb       1       0       108         Methoxychlor       3       0       100         Pentachlorophenol       1       0       104         Rotenone       2       0       97					
DiSyston       1       0       105         Folpet       1       1       79         Karathane       2       0       108         Kelthane       6       0       103         Lethane       2       2       2         Lindane       1       0       100         Malathion       8       0       104         Maneb       1       0       108         Methoxychlor       3       0       100         Pentachlorophenol       1       0       104         Rotenone       2       0       97					
Folpet 1 1 79 Karathane 2 0 108 Kelthane 6 0 103 Lethane 2 2 2 50 Lindane 1 0 100 Malathion 8 0 104 Maneb 1 0 108 Methoxychlor 3 0 100 Pentachlorophenol 1 0 104 Rotenone 2 0 97					
Karathane       2       0       108         Kelthane       6       0       103         Lethane       2       2       50         Lindane       1       0       100         Malathion       8       0       104         Maneb       1       0       108         Methoxychlor       3       0       100         Pentachlorophenol       1       0       104         Rotenone       2       0       97					
Kelthane       6       0       103         Lethane       2       2       50         Lindane       1       0       100         Malathion       8       0       104         Maneb       1       0       108         Methoxychlor       3       0       100         Pentachlorophenol       1       0       104         Rotenone       2       0       97					
Lethane       2       2       50         Lindane       1       0       100         Malathion       8       0       104         Maneb       1       0       108         Methoxychlor       3       0       100         Pentachlorophenol       1       0       104         Rotenone       2       0       97					
Lindane 1 0 100 Malathion 8 0 104 Maneb 1 0 108 Methoxychlor 3 0 100 Pentachlorophenol 1 0 104 Rotenone 2 0 97					
Malathion       8       0       104         Maneb       1       0       108         Methoxychlor       3       0       100         Pentachlorophenol       1       0       104         Rotenone       2       0       97					
Maneb       1       0       108         Methoxychlor       3       0       100         Pentachlorophenol       1       0       104         Rotenone       2       0       97			о Т		
Methoxychlor       3       0       100         Pentachlorophenol       1       0       104         Rotenone       2       0       97					
Pentachlorophenol         1         0         104           Rotenone         2         0         97					
Rotenone 2 0 97		Methoxychlor			
Ryania Specioca 2 0 101					
· ·		Ryania Speciosa	2	0	101
Sulfur 1 0 101		Sulfur	1	0	101

Pesticide Manufacturer	Pesticide	Number Of Claims	Number Not Met	Average % Of Claims
Boyle-Midway, Inc. (4)	Allethrin	1	0	97
boyle-midway, inc. (4)	Arsenic	1	0	100
	Baygon	1	0	104
	Metaldehyde	ĺ	0	97
	He varuelly de	<b>±</b>	v	21
Carter-Wallace, Inc. (1)	Baygon	1	0	100
Chemagro-Baychem Co. (1)	Co-Ral	1	0	100
Chevron Chemical Co. (35)	Ammonium sulfamate	1	0	99
	Arsenic	1	0	105
	Baygon	2	0	106
	Captan	3	0	138
	Carbaryl	14	0	104
	Chlordane	3	Ō	109
	2,4-D	2	Ö	104
	Dalapon	1	Ö	101
	Diazinon	2	0	102
	Dyrene	1	0	102
	Folpet	2	0	100
	Isobornylthiocyanoacetate	1	0	108
	Kelthane	2	0	101
	Lindane	1	0	99
	Malathion	3	0	103
	Mesurol	1	0	106
	Metaldehyde	1	0	92
	Meta-Systox-R	î	Ö	100
	Methoxychlor	3	Ö	96
	Paradichlorobenzene	1	0	100
			0	
	Paraquat	1	=	109
	Prometone	1	0	106
	Pyrethrins	3	0	102
	Resmethrin	4	0	132
	Rotenone	2	0	105
	Silvex + 2,4-D	2	0	104
Ciba-Geigy Corp. (3)	Diazinon	3	0	108
Creative Chemical (1)	Hydrogen chloride	1	0	99
Jim Dandy Co. (1)	N,N-Diethyl-M-toluamide	1	0	110
The d-Con Co. (2)	Pyrethrins	l	0	107
The u-con co. (2)	Resmethrin	1	0	96
D-Mart and Davidsonto Top (2)	D	,	0	110
DeMert and Dougherty, Inc. (1)	Diazinon	1 1	0 0	110 92
	Pyrethrins	1	U	92
Disposed Champagh Coup (1)	Deal and	7	0	1.02
Diamond Shamrock Corp. (1)	Dylox Meta-Systox	1 1	0 0	103 100
		-	-	
Faesy and Besthoff, Inc. (2)	Chlordane	1	0	97
raesy and bescholl, inc. (2)	Nicotine	ĺ	Ö	152
	MICOUING	1	•	1)_
Farmingdale Garden Laboratories (7)	Combourd	2	0	100
	Carbaryl	3		104
	Diazinon	1	0	
	Kelthane	2	0	103
	Lindane	1	0	100
	Malathion	2	0	103
	Maneb	1	0	102
	Methoxychlor	1	0	103
	Sulfur	1	0	103

Pesticide Manufacturer	Pesticide	Number Of Claims	Number Not Met	Average % Of Claims
Farnum Companies (9)	N,N-Diethyl-m-toluamide	2	0	105
rainum companies (9)	Dipterex	ĺ	Ö	105
	Pyrethrins	5	1	91
	Rotenone	1	0	
	rotenone	1	U	102
First National Stores (1)	Allethrin	1	0	100
	Methoxychlor	1	0	95
The Great Atlantic				
& Pacific Tea Co. (2)	Baygon	1	0	100
& Facilité lea CO: (2)	Pyrethrins	2	1	84
The Hartz Mountain Corp. (3)	Carbaryl	1	0	102
	Pyrethrins	2	0	110
Heritage House Products (1)	Pyrethrins	1	0	95
Hopkins Agricultural Chemical Co. (1)	Mesurol	1	0	118
		-	^	3.05
S. C. Johnson and Son, Inc. (8)	Allethrin	1	0	105
	Carbaryl	1	0	100
	DDVP	2	0	100
	$ exttt{N,N-Diethyl-m-toluamide}$	2	0	103
	Folpet	1	0	97
	Perthane	1	0	105
	Pyrethrins	2	0	104
S. S. Kresge Co. (2)	Carbaryl	1	0	106
	Maneb	1	0	103
	Silvex	1	0	96
Lethelin Products Co. (1)	Lindane	1	0	99
Miller-Morton Co. (6)	Baygon	2	0	106
	Carbaryl	1	0	104
	Methoxychlor	1	0	98
	Pyrethrins	ī	Ō	114
	Rotenone	1	Ö	Present
	noveliene	-	J	
John Opitz, Inc. (1)	Kepone	1	0	104
The Parrott Chemical Co. (5)	Captan	1	0	99
	Carbaryl	2	0	103
	Chlordane	1	0	102
	Copper	2	0	114
	Rotenone	2	0	103
Pennwalt Corp. (1)	Endothal	1	0	105
Plantabbs Corp. (1)	Malathion	1	0	130
riantabos corp. (1)	Pyrethrins	ĺ	ő	115
Plant Marvel Laboratories (2)	Pyrethrins	2	0	97
B. G. Pratt Div., Gabriel				
Chemical Ltd. (36)	Amitrol	2	0	102
Ostomical Hous (DO)	Amitroi Arsenic	2	Ö	101
		1	0	100
	Baygon Benomyl	1	0	100
		1	1	75
	Captan		0	101
	Carbaryl Chlordane	3 3	0	100
	Copper	2	0	100

Pesticide Manufacturer	Pesticide	Number Of Claims	Number Not Met	Average % Of Claims
B. G. Pratt Div., Gabriel				
Chemical Ltd. (36)	2,4-D	1	0	93
	Diazinon	2	0	103
	Dimethoate	1	0	101
	DiSyston	1	0	96
	Kelthane	3	0	106
	${ t Lindane}$	1	0	96
	Malathion	3	1	95
	Methoxychlor	5	0	101
	Methylnonyl ketone	1	0	101
	Mexacarbate	1	0	104
	Pyrethrins	5	1	92
	Resmethrin	1	0	124
	Rotenone	4	0	101
	Simazine	1	0	100
	Sulfur	2	0	102
	Thiram	1	0	100
Ralston Purina Co. (17)	Baygon	1	0	132
	Captan	1	0	101
	Carbaryl	3	0	104
	Chlordane	2	0	100
	Ciodrin	1	0	101
	2,4-D + 2,4,5-T	1	0	104
	DDVP	1	0	104
	Diazinon	1	0	101
	Dimethoate	1	0	100
	Dipterex	1	0	104
	Karathane	1	0	160 86
	Malathion Perthane	2 1	1 0	99
	Pyrethrins	2	0	106
	Sulfur	1	0	100
	Warfarin	1	0	104
Realex Corp. (1)	2,4-D + dicamba	1	0	100
Rexall Drug Co. (2)	Pyrethrins	1	0	108
	Resmethrin	1	0	144
Rite-Off Corp. (4)	Carbaryl	1	0	101
_	Diazinon	1	0	100
	Pyrethrins	3	0	105
	Tetramethrin	1	0	102
Rockland Chemical Co. (9)	Ammonium sulfamate	1	0	102
	Baygon	1	0	106
	Chlordane	2	0	100
	Ferbam	1	0	100
	Folpet	ļ	0	99
	Pyrethrins	4	0	97
	Tetramethrin	1	0	116
Rohm and Haas Corp. (1)	Maneb	1	0	99
Science Products Co. (4)	Kelthane	2	0	107
	Maneb	1	0	99
	Methoxychlor	1	0	103

Pesticide Manufacturer	Pesticide	Number Of Claims	Number Not Met	Average % Of Claims
				71 0101110
0. M. Scott & Sons, Inc. (2)	Arsenic	1	0	97
	Diazinon	1	0	102
Seacoast Laboratories, Inc. (12)	Captan	1	О	100
	Carbaryl	5	0	100
	Chlordane	1	0	102
	Diazinon	1	0	104
	Folpet	1	0	<b>9</b> 8
	Kelthane	2	0	99
	Malathion	4	0	100
	Methoxychlor	2	0	101
	Rotenone	1	0	100
	Zineb	1	0	109
Sears, Roebuck & Co. (9)	Arsenic	ı	0	100
	Benomyl	1	0	106
	2,4-D + dicamba +			
	Methylchloropropoxy			
	propionic acid	1	0	113
	Diazinon	1	0	107
	Dicamba + Methylchloroproxy			
	prompionic acid	1	0	104
	Dylox	2	0	102
	Methylnonyl ketone	1	0	100
	Zineb-maneb	ı	0	102
Shell Chemical Co. (4)	Allethrin	2	0	102
	Chloropyrifos	1	0	96
	DDVP	1	0	102
	Methoxychlor	1	0	100
	Pyrethrins	1	0	103
Sherwin Williams Co. (1)	Captan	ı	0	97
	Karathane	1	0	100
	Malathion	1	0	108
	Methoxychlor	1	0	98
Starbar (1)	DDVP	1	0	98
		Ţ	O	,
Sudbury Laboratory, Inc. (1)	Thiram	1	0	97
Tuco Div. of Upjohn Co. (1)	Thiram	1	0	103
Union Carbide Corp. (3)	N,N-diethyl-m-toluamide	3	0	98
Virginia Chemical, Inc. (1)	Diazinon	1	0	99
	Pyrethrins	1	0	98
F. W. Woolworth Co. (1)	Methoxychlor	ı	0	98
Zodiac Pet Products (2)	Carbaryl	1	0	100
	Ronnel	1	0	106
(285)		386	11	102

Percent of claims deficient: 2.8



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